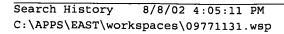
## EAST SEARCH

3 1 (perforation or hole or aperture) and 5853846.pn. 4 1 particle and 5019062.pn.  23978 catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or drape or wipe or pad)) or bandage  - 0 pantiliner  - 24004 (catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or drape or wipe or pad)) or bandage  - 1 24004 (catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or  - 2450323 particle  - 279386 perforation or hole or aperture  - 279387 perforation or hole or aperture  - 279386 perforati	/08 13:47 /08 13:47 /08 15:47 /05 13:21  /05 12:31 /05 12:31
So87494.pn.   (perforation or hole or aperture) and   So853846.pn.   2002/08   USPAT;   US-PGPUB   USPAT	/08 13:47 /08 15:47 /05 13:21 /05 12:31 /05 12:31
1 (perforation or hole or aperture) and 5553846.pn. US-PGPUB USPAT; US-PGPUB U	/08 15:47 /05 13:21 /05 12:31 /05 12:31
S853846.pn.   particle and 5019062.pn.   US-PGPUB   USPAT;   USPAT;   US-PGPUB   USPAT;   USPAT;   USPAT;   US-PGPUB   USPAT;   USP	/08 15:47 /05 13:21 /05 12:31 /05 12:31
1	/05 13:21 /05 12:31 /05 12:31
catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage  pantuliner  100 pantiliner  100 pantuliner  100 pa	/05 13:21 /05 12:31 /05 12:31
- 23978 catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage  - 0 pantuliner  - 24004 (catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or pantiliner  - 450323 particle  - 979386 perforation or hole or aperture  979386 perforation or hole or aperture  - 2282 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or drape or wipe or pad)) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or  - 2282 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or	/05 12:31 /05 12:31
(sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage  - 0 pantiliner  505 pantiliner  24004 (catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or pantiliner  - 450323 particle  979386 perforation or hole or aperture  93275 protrusion  2282 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or  - 2782 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or	/05 12:31 /05 12:31
(care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage  pantuliner  505 pantiliner  (catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or pantiliner  particle  979386 perforation or hole or aperture  93275 protrusion  (catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with USPAT; US-PGPUB USPAT	/05 12:31
(care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage  pantuliner  505 pantiliner  (catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or pantiliner  particle  979386 perforation or hole or aperture  93275 protrusion  (catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with USPAT; US-PGPUB USPAT	/05 12:31
or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage pantuliner  505 pantiliner  24004 (catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or pantiliner particle  979386 perforation or hole or aperture  93275 protrusion  2282 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or  1	/05 12:31
drape or wipe or pad)) or bandage pantuliner  505 pantiliner  24004 (catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or pantiliner  450323 particle  979386 perforation or hole or aperture  979386 perforation or hole or aperture  2282 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (us-PGPUB US-PGPUB US-PG	/05 12:31
- 0 pantuliner  505 pantiliner  24004 (catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or pantiliner  - 450323 particle  979386 perforation or hole or aperture  93275 protrusion  2282 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or    105PAT; US-PGPUB   USPAT; US-PGPUB	/05 12:31
- 505 pantiliner  24004 (catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or pantiliner  - 450323 particle  979386 perforation or hole or aperture  93275 protrusion  ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or	/05 12:31
- 505 pantiliner  24004 (catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or pantiliner  - 450323 particle  979386 perforation or hole or aperture  93275 protrusion  (catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or  2002/08  USPAT; US-PGPUB  Or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or	
- 24004 (catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or pantiliner particle  - 450323 perforation or hole or aperture  979386 perforation or hole or aperture  93275 protrusion  - 2282 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or  US-PGPUB  USPAT; US-PGPUB  ON O	
- 24004 (catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or pantiliner  - 450323 particle  - 979386 perforation or hole or aperture  93275 protrusion  - 2282 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or  USPAT;  US-PGPUB  ON O	/05
(sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or pantiliner  - 450323 particle  - 979386 perforation or hole or aperture  93275 protrusion  - 2282 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or  US-PGPUB  OR PGPUB  US-PGPUB  US-PGPUB  US-PGPUB  OR PGPUB  US-PGPUB  OR PGPUB  O	
(care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or pantiliner  - 450323 particle  - 979386 perforation or hole or aperture  - 93275 protrusion  - 2282 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or	/05 12:31
or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or pantiliner  450323 particle  979386 perforation or hole or aperture  93275 protrusion  2282 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or  0	ļ
drape or wipe or pad)) or bandage) or pantiliner  450323 particle  979386 perforation or hole or aperture  93275 protrusion  2282 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or	ļ
pantiliner particle  979386 perforation or hole or aperture  93275 protrusion  2282 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or  2002/08 USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB US-PGPUB US-PGPUB US-PGPUB US-PGPUB US-PGPUB US-PGPUB	ļ
- 450323 particle  979386 perforation or hole or aperture  93275 protrusion  2282 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or  2002/08  USPAT; US-PGPUB ON O	l
- 979386 perforation or hole or aperture  93275 protrusion  ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or  US-PGPUB USPAT; US-PGPUB US-PG	
- 979386 perforation or hole or aperture  93275 protrusion  - 2282 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or	/08 15:47
- 93275 protrusion US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or	!
93275 protrusion  Continuous protrusion  93275 protrusion  Continuous protrusion  2282 ((catamenial or diaper or incontinen\$4 or (uspat; uspat; uspat	/08 13:35
- 93275 protrusion  - 2282 ((catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or	
- 2282 ((catamenial or diaper or incontinen\$4 or US-PGPUB (Sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or	/05 13:33
- 2282 ((catamenial or diaper or incontinen\$4 or USPAT; (sanitary near3 napkin) or (feminine with (Care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or	
(sanitary near3 napkin) or (feminine with US-PGPUB (care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or	/05 12.33
(care or product or pad or napkin or garment or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or	, ,, 12:33
or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage) or	
drape or wipe or pad)) or bandage) or	
pantiliner) and particle and (perforation or	
hole or aperture)	
- 146 protrusion and (((catamenial or diaper or USPAT; 2002/08,	/05 12:38
incontinen\$4 or (sanitary near3 napkin) or US-PGPUB	
(feminine with (care or product or pad or	
napkin or garment or hygiene)) or (medical	
with (garment or drape or wipe or pad)) or	
bandage) or pantiliner) and particle and	
(perforation or hole or aperture))	
	/05 12:48
US-PGPUB	== 9
	/05 12:48
US-PGPUB	
	/05 14:11
US-PGPUB	, 03 14.11
	/05 12:49
	, UD 12:49
incontinen\$4 or (sanitary near3 napkin) or US-PGPUB (feminine with (care or product or pad or	
napkin or garment or hygiene)) or (medical	
with (garment or drape or wipe or pad)) or	
bandage) or pantiliner) and particle and	
(perforation or hole or aperture))) and	
(604/\$3.\$3.ccls. or 604/\$3.ccls.)	
-   36140   428/\$3.\$3.ccls.   USPAT;   2002/08,	/05 12:48
US-PGPUB	
- 122660 428/\$3.ccls. USPAT; 2002/08,	/05 12:48
US-PGPUB US-PGPUB	
	/05 12:49
US-PGPUB	20.30
	/05 12:49
incontinen\$4 or (sanitary near3 napkin) or US-PGPUB	, 05 14:49
(feminine with (care or product or pad or	
napkin or garment or hygiene)) or (medical	
	į.
with (garment or drape or wipe or pad)) or	i
bandage) or pantiliner) and particle and	
(perforation or hole or aperture))) and	
(428/\$3.\$3.ccls. or 428/\$3.ccls.)	



-	47	("2331271"   "2890700"   "3070095"	USPAT	2002/08/05 12:50
	}	"3121427"   "3137893"   "3334789"		
		"3371666"   "3381688"   "3528421"		
		"3654929"   "3661154"   "3669103"		
		"3670731"   "3686024"   "3810468"		
İ		"3817827"   "3888256"   "3888257"     "3817827"   "3888256"   "3888257"		
İ		"3901236"   "3903889"   "3959569"		
	1	"3971379"   "4055180"   "4055184"		
		"4102340"   "4103062"   "4105033"		
		"4158594"   "4217901"   "4224366"     "4232674"   "4235237"   "4260443"		
		"4269188"   "4293609"   "4297410"     "4327728"   "4333463"   "4338371"		
		"4341215"   "4360021"   "4364992"		
		"4381782"   "4381783"   "4392908"		
-		"4411660"   "4414255").PN.	•	1
l _	62	4578068.URPN.	USPAT	2002/08/05 12:53
_	24004		USPAT;	2002/08/05 12:33
-	24004	(sanitary near3 napkin) or (feminine with	US-PGPUB	2002/08/03 13:32
		(care or product or pad or napkin or garment	OS FGFOB	!
-		or hygiene)) or (medical with (garment or		
		drape or wipe or pad)) or bandage or		
		pantiliner	1	1
_	450323	particle	USPAT;	2002/08/05 13:32
		•	US-PGPUB	-332, 35, 35 13.32
-	4168	428/141-155.ccls.	USPAT;	2002/08/05 13:50
		,	US-PGPUB	
-	59	(catamenial or diaper or incontinen\$4 or	USPAT;	2002/08/05 13:26
		(sanitary near3 napkin) or (feminine with	US-PGPUB	' '
		(care or product or pad or napkin or garment		
		or hygiene)) or (medical with (garment or		
		drape or wipe or pad)) or bandage or		1
		pantiliner) and particle and		
		428/141-155.ccls.	İ	
-	4903	catamenial or diaper or incontinen\$4 or	USOCR	2002/08/05 13:33
		(sanitary near3 napkin) or (feminine with		
		(care or product or pad or napkin or garment		
1		or hygiene)) or (medical with (garment or		
		drape or wipe or pad)) or bandage or		
	100000	pantiliner		
-	189062	particle	USOCR	2002/08/05 13:33
_	12165	protrusion	USOCR	2002/08/05 13:33
1 _	729708	perforation or hole or aperture	USOCR	2002/08/05 14:52
_	111	(catamenial or diaper or incontinen\$4 or	USOCR	2002/08/05 13:33
		(sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment		
		or hygiene)) or (medical with (garment or		
		drape or wipe or pad)) or bandage or		
		pantiliner) and particle and (perforation		
		or hole or aperture)		
-	277	442/417.ccls.	USPAT;	2002/08/05 13:51
	~ ~ ~ ~ ~	,	US-PGPUB	2002/00/03 13:51
-	65	442/417.ccls. and (catamenial or diaper or	USPAT;	2002/08/05 14:00
		incontinen\$4 or (sanitary near3 napkin) or	US-PGPUB	,,
		(feminine with (care or product or pad or		
		napkin or garment or hygiene)) or (medical		
		with (garment or drape or wipe or pad)) or		
		bandage or pantiliner)		
-	716764	(titanium adj oxide) or (calcium adj	USPAT;	2002/08/05 14:03
		carbonate) or (soda adj ash) or gypsum or	US-PGPUB	
		(calcium or sulfate) or (barium or sulfate)		
		or (sodium adj sulfate) or (magnesium adj		
		carbonate) or (magnesium adj sulfate) or	-	
		clay or (calcium adj phosphate) or (silicic		
1		adj anhydrise) or carbon or talc		l İ

-	101542	particle same ((titanium adj oxide) or (calcium adj carbonate) or (soda adj ash) or gypsum or (calcium or sulfate) or (barium or	USPAT; US-PGPUB	2002/08/05 14:04
		sulfate) or (sodium adj sulfate) or		
		(magnesium adj carbonate) or (magnesium adj		· ·
		sulfate) or clay or (calcium adj phosphate)   or (silicic adj anhydrise) or carbon or		
		talc)		
-	1444	(catamenial or diaper or incontinen\$4 or	USPAT;	2002/08/05 14:05
		(sanitary near3 napkin) or (feminine with	US-PGPUB	
		(care or product or pad or napkin or garment or hygiene)) or (medical with (garment or		
		drape or wipe or pad)) or bandage or		
		pantiliner) and (particle same ((titanium		
		adj oxide) or (calcium adj carbonate) or (soda adj ash) or gypsum or (calcium or		
		sulfate) or (barium or sulfate) or (sodium		
		adj sulfate) or (magnesium adj carbonate) or		
		(magnesium adj sulfate) or clay or (calcium		
		adj phosphate) or (silicic adj anhydrise) or carbon or talc))		
-	63714	, ,	USPAT;	2002/08/05 14:05
			US-PGPUB	
_	130	((top with sheet) or topsheet) same (particle same ((titanium adj oxide) or	USPAT; US-PGPUB	2002/08/05 14:05
		(calcium adj carbonate) or (soda adj ash) or	US-PGPUB	
		gypsum or (calcium or sulfate) or (barium or		
		sulfate) or (sodium adj sulfate) or		
		(magnesium adj carbonate) or (magnesium adj sulfate) or clay or (calcium adj phosphate)		
		or (silicic adj anhydrise) or carbon or		
	9	(talc))		
-	9	(catamenial or diaper or incontinen\$4 or (sanitary near3 napkin) or (feminine with	USPAT; US-PGPUB	2002/08/05 14:10
		(care or product or pad or napkin or garment	00 10102	
		or hygiene)) or (medical with (garment or		
		drape or wipe or pad)) or bandage or pantiliner) and (((top with sheet) or		
		topsheet) same (particle same ((titanium		
		adj oxide) or (calcium adj carbonate) or		
		(soda adj ash) or gypsum or (calcium or sulfate) or (barium or sulfate) or (sodium		
		adj sulfate) or (magnesium adj carbonate) or		
		(magnesium adj sulfate) or clay or (calcium		
		<pre>adj phosphate) or (silicic adj anhydrise) or carbon or talc)))</pre>		
-	6		USPAT;	2002/08/05 14:10
		topsheet) same (particle same ((titanium	US-PGPUB	' '
		adj oxide) or (calcium adj carbonate) or (soda adj ash) or gypsum or (calcium or		
		sulfate) or (barium or sulfate) or (sodium		
		adj sulfate) or (magnesium adj carbonate) or	:	
		<pre>(magnesium adj sulfate) or clay or (calcium adj phosphate) or (silicic adj anhydrise) or</pre>		
		carbon or talc)))		
-	44511	604/\$3.\$3.ccls. or 604/\$3.ccls.	USPAT;	2002/08/05 14:11
_	732	(604/\$3.\$3.ccls. or 604/\$3.ccls. ) and	US-PGPUB	2002/02/25
	132	(604/\$3.\$3.CCIB. Or 604/\$3.CCIB. ) and (particle same ((titanium adj oxide) or	USPAT; US-PGPUB	2002/08/05 14:11
[		(calcium adj carbonate) or (soda adj ash) or	10100	
		gypsum or (calcium or sulfate) or (barium or		
		sulfate) or (sodium adj sulfate) or (magnesium adj		
		sulfate) or clay or (calcium adj phosphate)		
		or (silicic adj anhydrise) or carbon or		
L		talc))		

-	242	(604/\$3.\$3.ccls. or 604/\$3.ccls.) and	USPAT;	2002/08/05 14:12
		((catamenial or diaper or incontinen\$4 or	US-PGPUB	
İ		(sanitary near3 napkin) or (feminine with		
		(care or product or pad or napkin or garment		
		or hygiene)) or (medical with (garment or		
ļ		drape or wipe or pad)) or bandage or pantiliner) and (particle same ((titanium		
		adj oxide) or (calcium adj carbonate) or		
		(soda adj ash) or gypsum or (calcium or		
		sulfate) or (barium or sulfate) or (sodium		
	ļ	adj sulfate) or (magnesium adj carbonate) or		
		(magnesium adj sulfate) or clay or (calcium		
		adj phosphate) or (silicic adj anhydrise) or		
		carbon or talc)))		
-	18	("3952745"   "4690679"   "4710186"	USPAT	2002/08/05 14:44
	<u> </u>	"4753834"   "4798757"   "4801494"		
		"4806411"   "4868031"   "5006394"		
		"5219341"   "5261899"   "5281378"		
		"5318735"   "5342336"   "5431643"		
<u> </u>	31	"5431994"   "5658639"   "5670110").PN.	HODAM	2002/00/25 55 55
-	] 31,	("3156242"   "3640829"   "3869310"     "3870593"   "3932682"   "3953566"	USPAT	2002/08/05 14:45
		"3962153"   "3989867"   "4059114"		
		"4096227"   "4100238"   "4110392"		
		"4178271"   "4187390"   "4194041"		
ì		"4197148"   "4197371"   "4308303"		
		"4347844"		1
		"4591523"   "4609584"   "4622036"		
		"4648876"   "4758239"   "4818600"	ĺ	
		"5441056"   "5591510"   "5695871"	,	
	100000	"5730739").PN.		
[ <del>-</del>	129289	surface with particle	USPAT	2002/08/05 14:49
_	403	(catamenial or diaper or incontinen\$4 or	USPAT	2002/08/05 14:50
1		(sanitary near3 napkin) or (feminine with (care or product or pad or napkin or garment		
		or hygiene)) or (medical with (garment or		
		drape or wipe or pad)) or bandage or		
		pantiliner) and (604/\$3.\$3.ccls. or		
		604/\$3.ccls. ) and (surface with particle)		
-	102	((catamenial or diaper or incontinen\$4 or	USPAT	2002/08/05 14:50
		(sanitary near3 napkin) or (feminine with		
		(care or product or pad or napkin or garment		
		or hygiene)) or (medical with (garment or		
		drape or wipe or pad)) or bandage or		
		pantiliner) and (604/\$3.\$3.ccls. or		
		604/\$3.ccls.) and (surface with particle)) and (particle same ((titanium adj oxide) or		
		(calcium adj carbonate) or (soda adj ash) or		
		gypsum or (calcium or sulfate) or (barium or		
		sulfate) or (sodium adj sulfate) or		
		(magnesium adj carbonate) or (magnesium adj		
[	-	sulfate) or clay or (calcium adj phosphate)		
		or (silicic adj anhydrise) or carbon or		
		talc))		
	979386	perforation or hole or aperture	USPAT;	2002/08/05 14:52
			US-PGPUB	
-	191	((catamenial or diaper or incontinen\$4 or	USPAT;	2002/08/05 14:52
		(sanitary near3 napkin) or (feminine with	US-PGPUB	
		(care or product or pad or napkin or garment		
		or hygiene)) or (medical with (garment or drape or wipe or pad)) or bandage or		
		pantiliner) and (604/\$3.\$3.ccls. or		
		604/\$3.ccls.) and (surface with particle))		
		and (perforation or hole or aperture)		,
		THE OF THE PERSON OF MOTO OF APOLICIES	<u> </u>	L

-	52	("3612055"   "3683916"   "3730184"	USPAT	2002/08/05 15:08
]		"3828783"   "3837343"   "3934588"		
		"3955577"   "3967623"   "4073852"		
		"4077410"   "4342314"   "4351784"		-31
		"4360022" - "4423101"   "4456570"		
		"4463045"   "4535020"   "4551377"		
		"4585449"   "4591523"   "4609518"		
		"4629457"   "4629643"   "4676786"		
		"4690679"   "4704112"   "4710186"	1	
		"4753840"   "4755413"   "4767586"	Ì	
		"4780352"   "4804378"   "4820294"		
		"4838253"   "4857251"   "4920168"		
		"4921704"   "5023124"   "5120888"		
		"5126389"   "5135521"   "5145727"		
ĺ		"5147338"   "5225257"   "5244951"		
		"5264268"		
		"5300357"   "5340363"   "5370132"		
		"5431643").PN.		
-	0	6025049.URPN.	USPAT	2002/08/05 15:10
-	0	90/014815	EPO; JPO;	2002/08/05 16:35
		00/4.045	DERWENT	
-	0	90/14815	EPO; JPO;	2002/08/05 16:36
	_		DERWENT	
-	0	"WO 90/14815"	EPO; JPO;	2002/08/05 16:35
			DERWENT	
-	6	"9014815"	EPO; JPO;	2002/08/05 16:36
	_		DERWENT	1
-	0	"90014815"	EPO; JPO;	2002/08/05 16:37
	_		DERWENT	
-	2	"6277104"	EPO; JPO;	2002/08/05 16:37
	_		DERWENT	
-	1	1999-155781.NRAN.	DERWENT	2002/08/05 16:37
-	8	"14815"	EPO; JPO;	2002/08/05 16:38
			DERWENT	
-	0	"014815"	EPO; JPO;	2002/08/05 16:38
			DERWENT	
			I	1
-	31	("3156242"   "3640829"   "3869310"	USPAT	2002/08/05 16:50
-	31	"3870593"   "3932682"   "3953566"	USPAT	2002/08/05 16:50
-	31	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"	USPAT	2002/08/05 16:50
_	31	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"	USPAT	2002/08/05 16:50
-	31	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"	USPAT	2002/08/05 16:50
-	31	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4308303"	USPAT	2002/08/05 16:50
-	31	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"	USPAT	2002/08/05 16:50
-	31	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"	USPAT	2002/08/05 16:50
-	31	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"	USPAT	2002/08/05 16:50
-	31	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"	USPAT	2002/08/05 16:50
-		"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.		
-	11	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN. particle and (("3156242"   "3640829"	USPAT	2002/08/05 16:50
-		"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN. particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"		
-		"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN. particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"		
_		"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN. particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"		
-		"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4548876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.  particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"		
-		"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "44648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN. particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"		
-		"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4540858"   "458239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.  particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"		
		"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN. particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "45606611"   "4591523"   "4609584"		
-		"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4541056"   "5591510"   "5695871"   "5730739").PN.  particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"		
-		"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4541056"   "5591510"   "5695871"   "5730739").PN. particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"		
-	11	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN. particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.)	USPAT	2002/08/05 16:57
-	11	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN. particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.)	USPAT	2002/08/05 16:57
	11 1 0	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.  particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "410392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.) "6277104.URPN.	USPAT USPAT USPAT	2002/08/05 16:57 2002/08/05 16:57 2002/08/05 16:52
-	11 0 2574	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.  particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "410392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.) "6277104.URPN. (604/367-377).CCLS.	USPAT USPAT USPAT USPAT USPAT	2002/08/05 16:57 2002/08/05 16:57 2002/08/05 16:52 2002/08/05 17:49
	11 0 2574 811	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.  particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "410392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.) "6277104"   "6277104"   "6277104.URPN. (604/367-377).CCLS.)	USPAT USPAT USPAT USPAT USPAT USPAT	2002/08/05 16:57 2002/08/05 16:57 2002/08/05 16:52 2002/08/05 17:49 2002/08/05 17:49
	11 0 2574	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.  particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4103238"   "410392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.) "6277104.URPN. (604/367-377).CCLS. particle and ((604/367-377).CCLS.) (surface near particle) and	USPAT USPAT USPAT USPAT USPAT	2002/08/05 16:57 2002/08/05 16:57 2002/08/05 16:52 2002/08/05 17:49
	11 0 2574 811 93	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4541056"   "5591510"   "5695871"   "5730739").PN.  particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.) "6277104"   "6277104"   "6277104"   "6277104"   "6277104"   "6277104"   "6277104"   (604/367-377).CCLS.) (surface near particle) and ((604/367-377).CCLS.)	USPAT USPAT USPAT USPAT USPAT USPAT	2002/08/05 16:57 2002/08/05 16:57 2002/08/05 16:52 2002/08/05 17:49 2002/08/05 17:38
	11 0 2574 811 93 367	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4541056"   "5591510"   "5695871"   "5730739").PN.  particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.)  "6277104. URPN. (604/367-377).CCLS.)  (surface near particle) and ((604/367-377).CCLS.)  (surface near particle) and ((604/367-377).CCLS.)	USPAT USPAT USPAT USPAT USPAT USPAT USPAT	2002/08/05 16:57 2002/08/05 16:57 2002/08/05 16:52 2002/08/05 17:49 2002/08/05 17:38 2002/08/05 17:49
	11 0 2574 811 93 367 227	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4541056"   "5591510"   "5695871"   "5730739").PN.  particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "436369310"   "3870593"   "3932682"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.)  "6277104" (604/367-377).CCLS.)  (particle and ((604/367-377).CCLS.)  (surface near particle) and ((604/367).CCLS.)	USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT	2002/08/05 16:57 2002/08/05 16:57 2002/08/05 16:52 2002/08/05 17:49 2002/08/05 17:38 2002/08/05 17:49 2002/08/05 17:50
	11 0 2574 811 93 367	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4541056"   "5591510"   "5695871"   "5730739").PN.  particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.)  "6277104. URPN. (604/367-377).CCLS.)  (surface near particle) and ((604/367-377).CCLS.)  (surface near particle) and ((604/367-377).CCLS.)	USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT	2002/08/05 16:57 2002/08/05 16:57 2002/08/05 16:52 2002/08/05 17:49 2002/08/05 17:38 2002/08/05 17:49
	11 0 2574 811 93 367 227 980569	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4541056"   "5591510"   "5695871"   "5730739").PN. particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.)   "6277104"   (604/367-377).CCLS.)   (surface near particle) and ((604/367-377).CCLS.)   (surface near particle) and ((604/367).CCLS.)   particle and ((604/367).CCL	USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT; US-PGPUB	2002/08/05 16:57 2002/08/05 16:57 2002/08/05 16:52 2002/08/05 17:49 2002/08/05 17:38 2002/08/05 17:49 2002/08/05 17:50 2002/08/05 17:50 2002/08/06 14:50
	11 0 2574 811 93 367 227	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4541056"   "5591510"   "5695871"   "5730739").PN.  particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "436369310"   "3870593"   "3932682"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.)  "6277104" (604/367-377).CCLS.)  (particle and ((604/367-377).CCLS.)  (surface near particle) and ((604/367).CCLS.)	USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT; US-PGPUB USPAT;	2002/08/05 16:57 2002/08/05 16:57 2002/08/05 16:52 2002/08/05 17:49 2002/08/05 17:38 2002/08/05 17:49 2002/08/05 17:50
	11 0 2574 811 93 367 227 980569	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "459256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5730739").PN.  particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5730739").PN.)  "5695871"   "5730739").PN.)  "6277104"   "6	USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT; US-PGPUB USPAT; US-PGPUB	2002/08/05 16:57 2002/08/05 16:57 2002/08/05 16:52 2002/08/05 17:49 2002/08/05 17:49 2002/08/05 17:38 2002/08/05 17:50 2002/08/06 14:50 2002/08/06 14:51
	11 0 2574 811 93 367 227 980569	"3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4541056"   "5591510"   "5695871"   "5730739").PN. particle and (("3156242"   "3640829"   "3869310"   "3870593"   "3932682"   "3953566"   "3962153"   "3989867"   "4059114"   "4096227"   "4100238"   "4110392"   "4178271"   "4187390"   "4194041"   "4197148"   "4197371"   "4308303"   "4347844"   "4539256"   "4560611"   "4591523"   "4609584"   "4622036"   "4648876"   "4758239"   "4818600"   "5441056"   "5591510"   "5695871"   "5730739").PN.)   "6277104"   (604/367-377).CCLS.)   (surface near particle) and ((604/367-377).CCLS.)   (surface near particle) and ((604/367).CCLS.)   particle and ((604/367).CCL	USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT; US-PGPUB USPAT;	2002/08/05 16:57 2002/08/05 16:57 2002/08/05 16:52 2002/08/05 17:49 2002/08/05 17:38 2002/08/05 17:49 2002/08/05 17:50 2002/08/05 17:50 2002/08/06 14:50

	162	(perforation or hole or aperture ) and	USPAT	2002/08/06 14:52
	102		OSFAI	2002/08/08 14:52
		((428/143-150).CCLS.)		
-	4259	(428/131-140).CCLS.	USPAT	2002/08/06 16:44
-	425092	particle	USPAT	2002/08/06 16:44
-	596	((428/131-140).CCLS.) and particle	USPAT	2002/08/06 16:45
=	35	("2418907"   "2542909"   "2690415"	USPAT	2002/08/06 17:22
		"3340875"   "3416523"   "3585998"		
		"3691271"   "3732867"   "3843478"		
		"3875942"   "3929135"   "3939838"		<b> </b>
		"3968798"   "4022210"   "4055184"		
		"4059114"   "4321924"   "4324246"		1
		"4342314"   "4392862"   "4521437"		
		"4525410"   "4547195"   "4624666"		
ł		"4663219"   "4673402"   "4678571"		
		"4687478"   "4690679"   "4710186"		
		"4713068"   "4725481"   "4798604"		
		"4826497"   "4843739").PN.		
-	35	5019062.URPN.	USPAT	2002/08/06 17:25
-	10	("3489148"   "3490454"   "2916036"	USPAT	2002/08/06 17:27
		"3172817"   "3264188"   "3384083"		
		"3386441"   "3406688"   "3428044"		
		"3464413").PN.		
_	36	3585998.URPN.	USPAT	2002/08/06 17:28